

# RED HAT OPENSIFT CONTAINER PLATFORM 3.4

DATASHEET

## KEY BENEFITS

- Deliver your latest innovation to market faster and stay ahead of your competition.
- Accelerate application development by giving your developers and system administrators the tools they need to get the job done.
- Gain a secure, enterprise-grade, container-based platform with no vendor lock-in.
- Enable DevOps and department-wide collaboration.

## WHAT'S NEW IN VERSION 3.4

- Built on the latest stable release of Kubernetes 1.4
- Dynamic provisioning of storage for quick and easy access to persistent data
- New reference architectures that walk you through production deployments for environments like OpenStack®, Google Cloud Platform, Amazon Web Services, and more

## OVERVIEW

Red Hat® OpenShift Container Platform helps organizations develop, deploy, and manage existing and container-based applications seamlessly across physical, virtual, and public cloud infrastructures. Built on proven open source technologies, OpenShift Container Platform helps application development and IT operations teams modernize applications, deliver new services, and accelerate development processes.

## RED HAT OPENSIFT CONTAINER PLATFORM FOR APPLICATION DEVELOPMENT TEAMS

OpenShift Container Platform provides developers with an optimal platform for provisioning, building, and deploying applications and their components in a self-service fashion. With automated workflows like our source-to-image (S2I) process, it's easy to get source code from version control systems into ready-to-run, docker-formatted container images. OpenShift Container Platform integrates with continuous integration and delivery tools, making it an ideal solution for any development team.

## FOR I.T. OPERATIONS

OpenShift Container Platform gives IT operations a secure, enterprise-grade environment that provides policy-based control and automation for container-based applications in production. Cluster services, scheduling, and orchestration based on Kubernetes all provide load-balancing and auto-scaling capabilities. Security features prevent tenants from compromising other containers or the underlying host. And because OpenShift can attach persistent storage directly to Linux® containers, IT organizations can run both stateful and stateless applications on one platform.

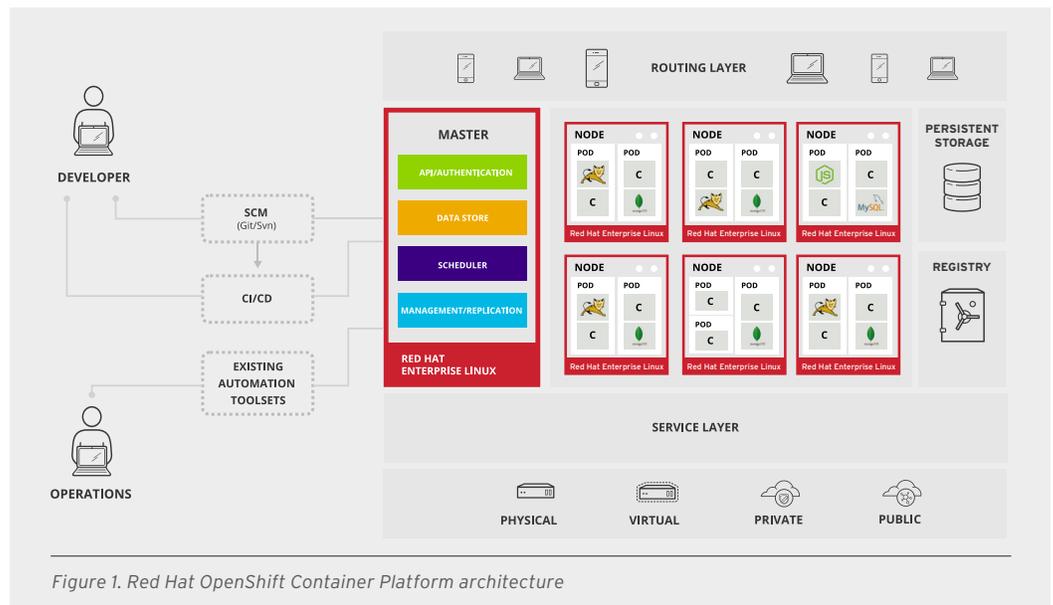


Figure 1. Red Hat OpenShift Container Platform architecture

**OpenShift Online** is Red Hat's public cloud-based application platform available at [openshift.com](https://openshift.com) that lets you:

- Quickly build, launch, and host applications in the public cloud, operated and supported by Red Hat.
- **Sign up** at no cost, check out all the great features, and start coding and running applications on OpenShift today.
- Bring the power and flexibility of OpenShift 3 to your business through the managed public cloud with OpenShift Dedicated.

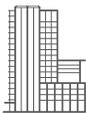
## FEATURES AND BENEFITS

FEATURE	BENEFIT
<b>Open source</b>	With native integrations of both Docker and Kubernetes, users have the freedom of open source and aren't restricted to the technology or business roadmap of a specific vendor.
<b>Self-service provisioning</b>	Developers can quickly and easily create applications on demand directly from the tools they use most, while still giving operations full control over the entire environment.
<b>Persistent storage</b>	Only with OpenShift Container Platform can users run both existing stateful applications and cloud-native stateless applications, because of its ability to use persistent storage.
<b>Polyglot, multi-language support</b>	Developers can run multiple languages, frameworks, and databases all on the same platform with ease.
<b>Automation</b>	Streamlined and automated application builds, deployments, scaling, health management, and more are standard with OpenShift Container Platform.
<b>User interfaces</b>	Developers have direct access to a rich set of command-line tools, a multi-device web console, and Eclipse-based integrated development environments such as Red Hat JBoss® Developer Studio.
<b>Built-in operational management</b>	By directly implementing Red Hat CloudForms into the product, users get real-time visibility into not just the individual container, but the entire infrastructure.
<b>Collaboration</b>	Users can easily pull different resources directly from the platform itself to maintain project and initiative schedules.
<b>Scalability</b>	Applications running on OpenShift can easily scale to hundreds of instances across thousands of self-healing nodes in a matter of seconds.
<b>Robust ecosystem</b>	By collaborating with our ever-expanding community of partners, users can employ different types of persistent storage as well as pluggable networking solutions.
<b>Container portability</b>	Built around a standardized container model powered by Red Hat application programming interfaces (APIs) for Docker, applications created on OpenShift can easily run anywhere that supports docker-formatted containers.
<b>Choice of cloud</b>	Users can run applications on top of physical, virtual, public, private, or hybrid cloud infrastructures.

 LIGHTHOUSE ABOUT LIGHTHOUSE COMPUTER SERVICES

At Lighthouse Computer Services, we offer 20+ years of experience to companies seeking operational, strategic, and business excellence through the smart application of information technology. Our approach encompasses cloud, security, DevOps, infrastructure, analytics, and business productivity to have maximum positive impact on each client's IT environment and their bottom line.

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**ABOUT RED HAT**

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.